# Rec'd PCT/PTO 11 OCT 2005

	INTERNATIONAL SEARCH RE	PORT	Inter pal Application No.	-000
			PCT/IB2004/050393	788
IPC 7	SSIFICATION OF SUBJECT MATTER G06F9/50 G06F9/48		1 1000000000000000000000000000000000000	1
According	to International Patent Classification (IPC) or to both national clas			
B. FIELD	S SEARCHED			4
IPC 7	documentation searched (classification system followed by classif $606F$	ication symbols)		1
Document	ation searched other than minimum documentation to the extent th	at such documents are inclu	ded in the fields searched	-
Electronic o	data base consulted during the international search (name of data	base and, where practical, s	earch terms used)	
EPO-In	ternal, INSPEC			
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where appropriate, of the	relevant passages	Relevant to claim No.	
x	NARLIKAR G J ET AL: "SPACE-EFFICIENT IMPLEMENTATION OF NESTED PARALLELISM" ACM SIGPLAN NOTICES, ASSOCIATION FOR COMPUTING MACHINERY, NEW YORK, US, vol. 32, no. 7, 1 July 1997 (1997-07-01), pages 25-36, XP000701966 ISSN: 0362-1340 First full paragraph of page 26, left-hand column Section 2 "Model of Parallelism" and first		1,3,4,	
	paragraph of section 3 on page 27 Paragraph bridging pages 27-28	-/	2 5,6	
X Furthe	or documents are listed in the continuation of box C.	Patent family mon	nbers are listed in annex.	
	gories of cited documents :	· desir danny men	ivers and itsteer in annex.	
document consider earlier do filing dat document which is citation of document other me	t defining the general state of the art which is not red to be of particular relevance cument but published on or after the international e which may throw doubts on priority claim(s) or cited to establish the publication date of another or other special reason (as specified) treferring to an oral disclosure, use, exhibition or land the prior to the international filing date but	or priority date and no cited to understand the invention  "X" document of particular cannot be considered involve an inventive standard document of particular cannot be considered document is combined ments, such combinat in the art.	ed after the international filing date tin conflict with the application but e principle or theory underlying the relevance; the claimed invention novel or cannot be considered to the problem of the document is taken alone relevance; the claimed invention to involve an inventive step when the document is the or more other such document with one or more other such document on being obvious to a person skilled	
later than	n the priority date claimed tual completion of the international search	"&" document member of the		
•	June 2005		Iternational search report	
me and mailing address of the ISA		Authorized officer		
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Ross, C		

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# INTERNATIONAL SEARCH REPORT

International Application No PCT/IB2004/050393

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		PCT/IB2004/050393	
Category °			
		Relevant to claim No.	
Y	DATABASE INSPEC [Online] THE INSTITUTION OF ELECTRICAL ENGINEERS, STEVENAGE, GB; 2001, STREIT A: "On job scheduling for HPC-Clusters and the dynP scheduler" XP002329479 Database accession no. 7307055 abstract Section 5 "The dynP Scheduler": page 62 - page 63 -& PROCEEDINGS OF INTERNATIONAL IEEE CONFERENCE ON HIGH PERFORMANCE COMPUTING - INDIA 17-20 DEC. 2001 HYDERABAD, INDIA, 20 December 2001 (2001-12-20), pages 58-67, XP002329478 High Performance Computing - HiPC 2001. 8th International Conference. Proceedings (Lecture Notes in Computer Science Vol.2238) Springer-Verlag Berlin, Germany ISBN: 3-540-43009-1	2	
	ENGELSCHALL R S: "pth GNU Portable Threads" PTH MANUAL, 17 February 2003 (2003-02-17), XP002315713 page 2, line 1 - line 12 Item "preemptive vs. non-preemptive thread scheduling": page 3 Items "int pth_suspend() and "int pth_yield()": page 10	1,3,4,	
	JIMAN HONG ET AL: "On the choice of checkpoint interval using memory usage profile and adaptive time series analysis" DEPENDABLE COMPUTING, 2001. PROCEEDINGS. 2001 PACIFIC RIM INTERNATIONAL SYMPOSIUM ON SEOUL, SOUTH KOREA 17-19 DEC. 2001, LOS ALAMITOS, CA, USA, IEEE COMPUT. SOC, US, 17 December 2001 (2001-12-17), pages 45-48, XP010585360 ISBN: 0-7695-1414-6 abstract First and last paragraphs of section 2 "Checkpoint based on memory usage profile": page 45 - page 46; figure 1	1,3,4, 14-20	

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### INTERNATIONAL SEARCH REPORT

International application No. PCT/IB2004/050393

Box II Observations where certain claims were found					
Box II Observations where certain claims were found unsearchable (Continue	ation of item 2 of first sheet)				
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:					
Claims Nos.:  because they relate to subject matter not required to be searched by this Authority, namely:					
Claims Nos.:     because they relate to parts of the International Application that do not comply with the an extent that no meaningful International Search can be carried out, specifically:	prescribed requirements to such				
Claims Nos.:     because they are dependent claims and are not drafted in accordance with the second and are not drafted in accordance with the second and are not drafted in accordance with the second and are not drafted in accordance with the second and are not drafted in accordance with the second and are not drafted in accordance with the second are not drafted in accordance with					
Box III Observations where unity of invention is lacking (Continuation of item 3	of first sheet)				
This International Searching Authority found multiple inventions in this international application, a	s follows:				
see additional sheet					
As all required additional search fees were timely paid by the applicant, this International searchable claims.	l Search Report covers all				
As all searchable claims could be searched without effort justifying an additional fee, this of any additional fee.	Authority did not invite payment				
3. As only some of the required additional search fees were timely paid by the applicant, this covers only those claims for which fees were paid, specifically claims Nos.:	s International Search Report				
4. No required additional search fees were timely paid by the applicant. Consequently, this large restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  1-6, 14-20	nternational Search Report is				
Remark on Protest  The additional search fees were accompanied the payment					

# FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-6, 14-20

Methods and computer program product for task scheduling based on memory usage. Scheduling scheme based on co-operative multitasking, where preemption points are specified in each task, typically at points in task with low memory usage.

2. claims: 7-13

Devices and method steps for evaluating whether system has enough memory to process the offered load and subsequent selection and (preemptive) suspension of memory intensive tasks.